

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i>		
		Application Number	10/809,991	
		Filing Date	March 26, 2004	
		First Named Inventor	Christopher J. DANEK	
		Art Unit	3738	
		Examiner Name	W. Matthews	
Sheet	1	of	14	Attorney Docket No: ASTXNA00402

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/WM/		US-RE35330	09-17-1996	MALONE; David G. et al.	
		US-1155169	09-28-1915	J.STARKWEATHER	
		US-1207479	12-05-1916	H. BISGAARD	
		US-2072346	03-02-1937	W. R. SMITH	
		US-3568659	03-09-1971	KARNEGIS; James N.	
		US-3667476	06-06-1972	MULLER; Henry	
		US-3692029	09-19-1972	ADAIR; Edwin Lloyd	
		US-3995617	12-07-1976	WATKINS; David H. et al.	
		US-4116589	09-26-1978	RISHTON; Michael L.	
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		US-4565200	01-21-1986	COSMAN; Eric R.	
		US-4567882	02-04-1986	HELLER; Richard M.	
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		US-4621642	11-11-1986	CHEN; Zu-fan	
		US-4621882	11-11-1986	KRUMME; John F.	
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		US-4646737	03-03-1987	HUSSEIN; Hany M. G. et al.	

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		Number-Kind Code ² (if known)			
WM		US-4674497	06-23-1987	OGASAWARA; Tadahiko	
		US-4683890	08-04-1987	HEWSON; Carl E.	
		US-4704121	11-03-1987	MOISE; John C.	
		US-4706688	11-17-1987	DON MICHAEL; T. Anthony et al.	
		US-4709698	12-01-1987	JOHNSTON; James H. et al.	
		US-4772112	09-20-1988	ZIDER; Robert B. et al.	
		US-4779614	10-25-1988	MOISE; John C.	
		US-4790305	12-13-1988	ZOLTAN; Bart J. et al.	
		US-4799479	01-24-1989	SPEARS; J. Richard	
		US-4802492	02-07-1989	GRUNSTEIN; Michael M.	
		US-4817586	04-04-1989	WAMPLER; Richard K.	
		US-4825871	05-02-1989	CANSELL; Albert	
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		US-4862886	09-05-1989	CLARKE; Richard H. et al.	
		US-4895557	01-23-1990	MOISE; John C. et al.	
		US-4906229	03-06-1990	WAMPLER; Richard K.	
		US-4920978	05-01-1990	COLVIN; David P.	
		US-4944722	07-31-1990	CARRIKER; John W. et al.	
		US-4955377	09-11-1990	LENNOX; Charles D. et al.	
		US-4969865	11-13-1990	HWANG; Ned H. C. et al.	
		US-4976709	12-11-1990	SAND; Bruce J.	

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		Number-Kind Code ² (if known)			
/WM/		US-4985014	01-15-1991	OREJOLA; Wilmo C.	
		US-4991603	02-12-1991	COHEN; Donald M. et al.	
		US-5009936	04-23-1991	YAMANAKA; Masahiko et al.	
		US-5019075	05-28-1991	SPEARS; J. Richard et al.	
		US-5030645	07-09-1991	KOLLONITSCH; Janos	
		US-5036848	08-06-1991	HEWSON; Carl E.	
		US-5053033	10-01-1991	CLARKE; Richard H.	
		US-5056519	10-15-1991	VINCE; Dennis J.	
		US-5074860	12-24-1991	GREGORY; Christopher C. et al.	
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		US-5096916	03-17-1992	SKUPIN; Alvaro H.	
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		US-5103804	04-14-1992	ABELE; John E. et al.	
		US-5105826	04-21-1992	SMITS; Karel F. et al.	
		US-5107830	04-28-1992	YOUNES; Magdy	
		US-5116864	05-26-1992	MARCH; Keith L. et al.	
		US-5117828	06-02-1992	METZGER; William T. et al.	
		US-5135517	08-04-1992	MCCOY; William C.	
		US-5167223	12-01-1992	KOROS; Tibor et al.	
		US-5170803	12-15-1992	HEWSON; Carl E. et al.	
		US-5174288	12-29-1992	BARDY; Gust H. et al.	

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/WM/		US-5191883	03-09-1993	LENNOX; Charles D. et al.	
		US-5213576	05-25-1993	ABIUSO; Christopher L. et al.	
		US-5215103	06-01-1993	DESAI; Jawahar M.	
		US-5231996	08-03-1993	BARDY; Gust H. et al.	
		US-5232444	08-03-1993	JUST; Hansjorg et al.	
		US-5234456	08-10-1993	SILVESTRI; Thomas A.	
		US-5254088	10-19-1993	LUNDQUIST; Ingemar et al.	
		US-5255678	10-26-1993	DESLAURIERS; Antoine et al.	
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		US-5265604	11-30-1993	VINCE; Dennis J.	
		US-5269758	12-14-1993	TAHERI; Syde A.	
		US-5281218	01-25-1994	IMRAN; Mir A.	
		US-5293869	03-15-1994	EDWARDS; Stuart D. et al.	
		US-5309910	05-10-1994	EDWARDS; Stuart D. et al.	
		US-5313943	05-24-1994	HOUSER; Russell A. et al.	
		US-5345936	09-13-1994	POMERANZ; Mark L. et al.	
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		US-5370679	12-06-1994	ATLEE, III; John L.	
		US-5374287	12-20-1994	RUBIN; Leo	
		US-5383917	01-24-1995	DESAI; Jawahar M. et al.	
		US-5393207	02-28-1995	MAHER; Timothy R. et al.	
		US-5394880	03-07-1995	ATLEE, III; John L.	

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		Number-Kind Code ² (If known)			
/WM/		US-5396887	03-14-1995	IMRAN; Mir A.	
		US-5400778	03-28-1995	JONSON; Bjorn et al.	
		US-5400783	03-28-1995	POMERANZ; Mark L. et al.	
		US-5411025	05-02-1995	WEBSTER, Jr.; Wilton W.	
		US-5415166	05-16-1995	IMRAN; Mir A.	
		US-5415656	05-16-1995	TIHON; Claude et al.	
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		US-5433730	07-18-1995	ALT; Eckhard	
		US-5443470	08-22-1995	STERN; Roger A. et al.	
		US-5454782	10-03-1995	PERKINS; Rodney C.	
		US-5456667	10-10-1995	HAM; Kevin et al.	
		US-5458596	10-17-1995	LAX; Ronald G. et al.	
		US-5465717	11-14-1995	IMRAN; Mir A. et al.	
		US-5471982	12-05-1995	EDWARDS; Stuart D. et al.	
		US-5478309	12-26-1995	SWEEZER; William P. et al.	
		US-5496311	03-05-1996	ABELE; John E. et al.	
		US-5500011	03-19-1996	DESAI; Jawahar M.	
		US-5505728	04-09-1996	ELLMAN; Alan G. et al.	

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/WM/		US-5507791	04-16-1996	SIT'KO; Sergei P.	
		US-5509419	04-23-1996	EDWARDS; Stuart D. et al.	
		US-5522862	06-04-1996	TESTERMAN; Roy L. et al.	
		US-5531779	07-02-1996	DAHL; Roger W. et al.	
		US-5540881	07-30-1996	STRUL; Bruno et al.	
		US-5545161	08-13-1996	IMRAN; Mir A.	
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		US-5588812	12-31-1996	TAYLOR; Lynn P. et al.	
		US-5595183	01-21-1997	SWANSON; David K. et al.	
		US-5598848	02-04-1997	SWANSON; David K. et al.	
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		US-5607419	03-04-1997	AMPLATZ; Curtis A. et al.	
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		US-5620438	04-15-1997	AMPLATZ; Curtis A. et al.	
		US-5624439	04-29-1997	EDWARDS; Stuart D. et al.	

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MM/		US-5626618	05-06-1997	WARD; Kevin R. et al.	
		US-5630425	05-20-1997	PANESCU; Dorin et al.	
		US-5634471	06-03-1997	FAIRFAX; Andrew J. et al.	
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		US-5699799	12-23-1997	XU; Bellei et al.	
		US-5707218	01-13-1998	MAHER; Timothy R. et al.	
		US-5707336	01-13-1998	RUBIN; Leo	
		US-5707352	01-13-1998	SEKINS; K. Michael et al.	
		US-5722401	03-03-1998	PIETROSKI; Susan M. et al.	
		US-5722403	03-03-1998	MC GEE; David et al.	
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		US-5725525	03-10-1998	KORDIS; Thomas F.	
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		US-5730128	03-24-1998	POMERANZ; Mark L. et al.	
		US-5730726	03-24-1998	KLINGENSTEIN; Ralph James	
		US-5730741	03-24-1998	HORZEWSKI; Michael et al.	
		US-5740808	04-21-1998	PANESCU; Dorin et al.	

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		Application Number	10/809,991	
		Filing Date	March 26, 2004	
		First Named Inventor	Christopher J. DANEK	
		Art Unit	3738	
		Examiner Name	W. Matthews	
Sheet	8	of	14	Attorney Docket No: ASTXNA00402

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)			
WM		US-5752518	05-19-1998	MC GEE; David et al.	
		US-5755714	05-26-1998	MURPHY-CHUTORIAN; Douglas R.	
		US-5755753	05-26-1998	KNOWLTON; Edward W.	
		US-5759158	06-02-1998	SWANSON; David K.	
		US-5765568	06-16-1998	SWEEZER, Jr.; William P. et al.	
		US-5769846	06-23-1998	EDWARDS; Stuart D. et al.	
		US-5772590	06-30-1998	WEBSTER, Jr.; Wilton W.	
		US-5779698	07-14-1998	CLAYMAN; Ralph V. et al.	
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		US-5810757	09-22-1998	SWEEZER, Jr.; William P. et al.	
		US-5810807	09-22-1998	GANZ; Robert A. et al.	
		US-5817073	10-06-1998	KRESPI; Yosef P.	
		US-5820554	10-13-1998	DAVIS; Richard E. et al.	
		US-5827277	10-27-1998	EDWARDS; Stuart D.	
		US-5833651	11-10-1998	DONOVAN; Maura G. et al.	

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/WM/		US-5836947	11-17-1998	FLEISCHMAN; Sidney D. et al.	
		US-5843075	12-01-1998	TAYLOR; Junius E.	
		US-5843077	12-01-1998	EDWARDS; Stuart D.	
		US-5846238	12-08-1998	JACKSON; Jerome et al.	
		US-5848969	12-15-1998	PANESCU; Dorin et al.	
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		US-5855577	01-05-1999	MURPHY-CHUTORIAN; Douglas R. et al.	
		US-5860974	01-19-1999	ABELE; John E.	
		US-5863291	01-26-1999	SCHAEER; Alan K.	
		US-5865791	02-02-1999	WHAYNE; James G. et al.	
		US-5868740	02-09-1999	LEVEEN; Robert F. et al.	
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		US-5871523	02-16-1999	FLEISCHMAN; Sidney D. et al.	
		US-5873865	02-23-1999	HORZEWSKI; Michael et al.	
		US-5881727	03-16-1999	EDWARDS; Stuart D.	
		US-5882346	03-16-1999	POMERANZ; Mark L. et al.	
		US-5891136	04-06-1999	MC GEE; David et al.	
		US-5897554	04-27-1999	CHIA; Weng-kwen Raymond et al.	
		US-5899882	05-04-1999	WAKSMAN; Ron et al.	
		US-5904651	05-18-1999	SWANSON; David K. et al.	
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WMM		US-5908445	06-01-1999	WHAYNE; James G. et al.	
		US-5908446	06-01-1999	IMRAN; Mir A.	
		US-5911218	06-15-1999	DIMARCO; Anthony Fortunato	
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		US-5935079	08-10-1999	SWANSON; David K. et al.	
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		US-5979456	11-09-1999	MAGOVERN; George J.	
		US-5984917	11-16-1999	FLEISCHMAN; Sidney D. et al.	
		US-5991650	11-23-1999	SWANSON; David K. et al.	
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		US-6004269	12-21-1999	CROWLEY; Robert J. et al.	
		US-6009877	01-04-2000	EDWARDS; Stuart D.	
		US-6010500	01-04-2000	SHERMAN; Darren et al.	

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WM		US-6016437	01-18-2000	TU; Hosheng et al.	
		US-6024740	02-15-2000	LESH; Michael D. et al.	
		US-6036687	03-14-2000	LAUFER; Michael D. et al.	
		US-6045550	04-04-2000	SIMPSON; John A. et al.	
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		US-6071280	06-06-2000	EDWARDS; Stuart D. et al.	
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		US-6142993	11-07-2000	WHAYNE; James et al.	
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		US-6200333	03-13-2001	LAUFER; Michael D.	
		US-6254598	07-03-2001	EDWARDS; Stuart D et al.	
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		US-6283988	09-04-2001	LAUFER; Michael D. et al.	
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		US-6338836	01-15-2002	KUTH; Rainer et al.	
		US-6423105	07-23-2002	IJIMA; Tadayoshi et al.	
		US-6440129	08-27-2002	SIMPSON; John A.	
		US-6488673	12-03-2002	LAUFER; Michael D. et al.	
		US-20020091379A1	07-11-2002	DANEK; Christopher J. et al.	
		US-20040182399A1	09-23-2004	DANEK; Christopher James et al.	

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WM/		EP-189329A3	06-03-1987	FISCHELL, Robert E. et al.		
		EP-282225B1	06-17-1992	DIGI EUROPE LIMITED		
		EP-286145A3	10-10-1990	SANKEI PHARMACEUTICAL COMPANY LIMITED et al.		
		EP-768091B1	07-30-2003	SUN MEDICAL TECHNOLOGY RESEARCH CORPORATION		
		EP-908150B1	05-07-2003	ETHICON ENDO-SURGERY, INC.		
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		FR-2659240B1	07-04-1997	GALLEY DANIEL		✓
		GB-2233293	02-23-1994	TEVES GMBH ALFRED (DE)		
		SU545358T	02-05-1977			
		WO-0051510A1	09-08-2000	BRONCUS TECHNOLOGIES, INC.		
		WO-0103642A1	01-18-2001	BRONCUS TECHNOLOGIES, INC.		
		WO-9733715A1	09-18-1997	BOOTS MAN HOLDING B.V.		
		WO-9737715A1	10-16-1997	EMORY UNIVERSITY		
		WO-9844854A1	10-15-1998	BRONCUS TECHNOLOGIES, INC.		
		WO-9856234A1	12-17-1998	FRIEDMAN, MARK, M.		

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WM		WO-9856324A1	12-17-1998	ARTHROCARE CORPORATION		
		WO-9858681A3	03-18-1999	EP TECHNOLOGIES, INC.		
		WO-9903413A1	01-28-1999	VNUS MEDICAL TECHNOLOGIES, INC.		
		WO-9913779A2	03-25-1999	SCIMED LIFE SYSTEMS, INC.		
		WO-9934741A1	07-15-1999	BRONCUS TECHNOLOGIES, INC.		
		WO-9944506A1	09-10-1999	SENORX, INC.		
		WO-9945855A1	09-16-1999	CARDIOFOCUS, INC.		

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Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T2
/WM/		Co-pending U.S. Appl. No. US09/244173.		
		Co-pending U.S. Appl. No. US09/436455.		
		Co-pending U.S. Appl. No. US09/095323.		
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		MACKLEM P.T., Mechanical Factors Determining Maximum Bronchoconstriction, European Respiratory Journal, Jun. 1989, 6, 516s-519s.		
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/William Matthews/

DATE CONSIDERED 06/25/2007

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/809,991
				Filing Date	March 26, 2004
				First Named Inventor	Christopher J. DANEK
				Art Unit	3738
				Examiner Name	W. Matthews
Sheet	1	of	1	Attorney Docket Number	ASTXNA00402

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
WM	1.	DE 195 29 634 A1	02-13-1997	Woelky, Otto Werner		✓
WM	2.	DE 195 29 634 A1	02-13-1997	Woelky, Otto Werner		

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Examiner Signature	William Matthews/	Date Considered	06/25/2007
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WM/	1.	2003/0159700 A1	08-28-2003	Laufer et al.	
	2.	2004/0031494 A1	02-19-2004	Danek et al.	
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	7.	6,411,852	06-25-2002	Danek et al.	
	8.	7,027,869	04-11-2006	Danek et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
	9.	RU-2 053 814-C1	02-10-1996	Novikov V.N.		✓
	10.	RU-2 091 054-C1	09-27-1997	Osin A.Ja.		✓

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	11.	Ivanyuta, O. M. et al., "EFFECT OF LOW-POWER LASER IRRADIATION OF BRONCHIAL MUCOSA ON THE STATE OF SYSTEMIC AND LOCAL IMMUNITY IN PATIENTS WITH CHRONIC BRONCHITIS," <i>Problemy Tuberkuleza</i> , 6:26-29 (1991)	✓
	12.	Provotorov, V. M. et al., "CLINICAL EFFICACY OF TREATMENT OF PATIENTS WITH NONSPECIFIC PULMONARY DISEASES BY USING LOW-POWER LASER IRRADIATION AND PERFORMING INTRAPULMONARY DRUG ADMINISTRATION," <i>Terapevticheskii Arkhiv</i> , 12:62:18-23 (1991)	✓
↓	13.	Vorotnev, A. I. et al., "TREATMENT OF CHRONIC OBSTRUCTIVE BRONCHITIS PATIENTS USING A LOW-POWER LASER AT A GENERAL REHABILITATION CENTER," <i>Terapevticheskii Arkhiv</i> , 3:17-19 (1997)	✓

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